M. A. R. 57 (Rule 116) No. E 617385

Measurement Book

Serial No. 3rd and Part bill

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..... C.T. Raju.

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work :- Comphrenive development of roads, drains and footpath in HMT Layout, SBM Colony and Surrounding area in ward No. 17 under Package - 2019-20 RRN-DIV(10) AS No :- EE/RRN/AS/149/2020-21 dated: 02.09.2020 TS No :- CE/RRN/TS/231/2019-20 dated: 20.01.2020 Job Code :- 017-20-000008. Work order :- EE/RRND/wo.No/00000083/2020-21 Est Cost :- 1100.00 Lakhs.						

Scanned with CamScanner

MEASUREMENT BOOK

Date / Sl No.	Full description, etc, of work	Unit	Dimensions: Number 2	Length (Pointed) 3	Breadth 4	Depth 5	Contents 6	Reference to last Measurement: Total upto date 7	Cost 8
1)	Removing and refixing of Stone slabs of flooring and providing	Sqm	110.00	1252.19	137777	0.00	0.00	1252.19	137777.00
2)	Earthwork excavation by manual means in ordinary soil.	Cum	23.00	8821.72	2028996.00	42.515	97785.00	92468	2126781.00
3)	Plain Cast Concrete 1:2:6 M10 with Crushed Stone	Cum	4450.00	21.73	96688.00	5.43	24170.00	2716	1208581.00
	Above 12 M.	Cum	96637.72	0.00	0.00	43.62	220902.00	43.62	220902.00

M. A. R. 57 (Rule 116) No. E 617386

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Unit	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8	
4)	Providing and laying Plain / reinforced Concrete	m Cum	120	61.56	4300.00	15.39	107725.00	76.95	538624.00
	Above 12 M.		Total 31.01.24	0.00	0.00	101.12	819220.00	101.12	819220.00
5)	Providing TMT Steel reinforcement for R.C.C. work including.	Tn.	6 72300.00	61.92	3560460	1.23	89017.00	6.16	445057.00
	Above 12 M.	Tn	75506.56	0.00	0.00	8.09	615240.00	8.09	615240.00

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Rajarajeshwari Nagara Division
Bangalore 560 054.

Scanned with CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
6)	Providing Cantruding Precast Concrete Solid blocks	Sqm	950.00	4879.20	4635240.00	0.00	0.00	4879.20	4635240.00
7)	Providing ruled pointing to Cut/red Stone masonry	Sqm	140.00	19289.40	2700516.00	0.00	0.00	19289.40	2700516.00
8)	Providing and laying Cumpaction plain cast Concrete.	Cum	550.00	964.47	530459.00	0.00	0.00	964.47	530459.00.
9)	Providing granite slabs of selected quality roughly	Sqm	960.00	5522.63	5301220.00	0.00	0.00	5522.63	5301220.00
10)	Providing one line dressing to granite stone slab.	Sqm	950.00	5522.63	5246494.00	0.00	0.00	5522.63	5246494.00.

M. A. R. 57 (Rule 116) No. E 617387

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
(11)	Providing Chauffering Edge to Stone Slab	Sqm	60.00	2577.20	154627.00	0.00	0.00	2577.20	154627.00
(12)	Providing and laying Precast drain cover Slab of 25mm thick	Sqm	120.20	6519.00	80.18	162945.00	150.00	8117475.00	
	Above 120	Sqm	5800.51	50.70	328.18	1903583	328.18	1903585	

Executive Engineer
Rajarajeshwari Nagar Sub Division
Rajarajeshwari Mahanagara Palike
Kenchal Bangalore - 560 064.

Scanned with CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement
			Number	Length	Breadth	Depth		
1	2		3	4	5	6	7	8
13)	Renewing and resetting of Kerb Stone Complete Oper.	M	100.00	1067.92	1067.92	0.00	0.00	1067.92 (067972.00
14)	Providing and fixing Pre Cast Solid Concrete Kerb Stone	No's	460.00	1330.00	6118460.00	0.00	0.00	1330.00 6118460.00
15)	Painting two Coats after filling for Surface with Synthetic	Sq.M	7546.36 54.00	7546.36	56.80 407.00	0.00	0.00	7396.36 C38094.00
16)	Dismantling of Cement Concrete pavement by Manual by Manpy	Cum	458.00	350.09	1573541.00	0.00	0.00	350.09 (57541.00

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

617388

Serial No. .....

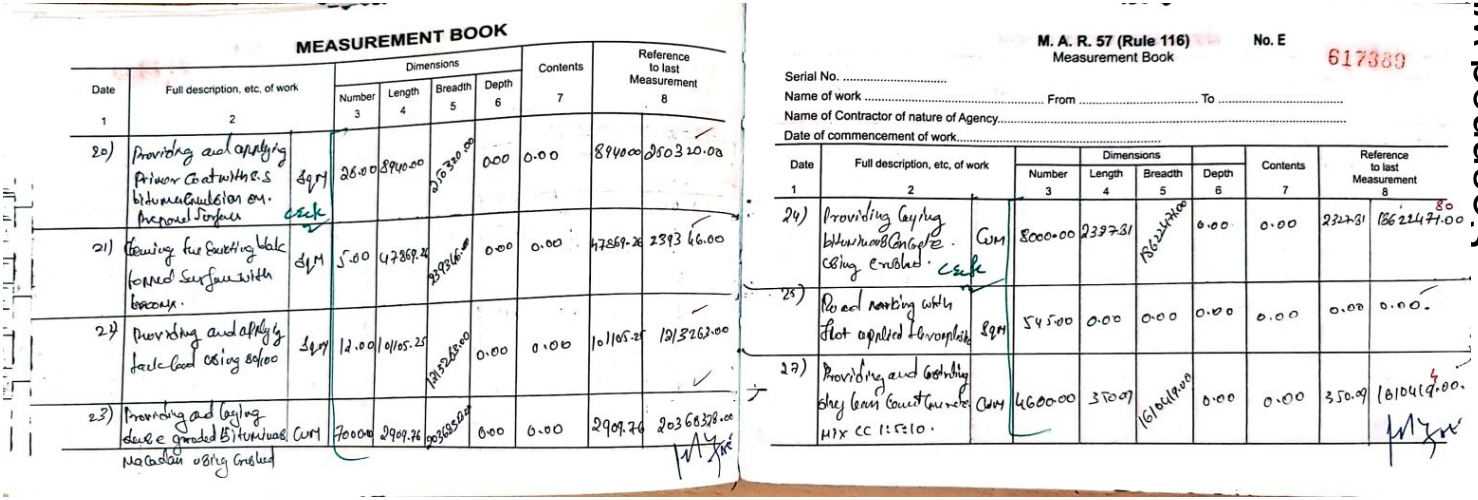
Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement
			Number	Length	Breadth	Depth		
1	2		3	4	5	6	7	8
12)	Excavation of road Work in all type of Soil with Impurity	Cum.	84.00	37.38	3136.00	0.00	0.00	37.38 3136.00
13)	Construction of granular Sub-base Grading V & B Sub-base.	CUM	1990.00	1691.76	3366603.00	0.00	0.00	1691.76 3366603.00
14)	Providing Laying, Levelling and Compacting Crushed Stone	CUM	2150.00	2056.20	4420830.00	0.00	0.00	2056.20 4420830.00

Scanned with CamScanner



MEASUREMENT BOOK

Date	Full description, etc, of work		Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2		3	4	5	6	7	8
20)	Providing and applying Primer Coat with S.S bituminous Emulsion on prepared Surface	Sq.M	26.00	8940.00	9.50320.00	0.00	0.00	8940.00 / 9503 20.00
21)	Cleaning the existing Walk formed Surface with brooms.	Sq.M	5.00	47869.26	239346.00	0.00	0.00	47869.26 / 2393 46.00
24)	Providing and applying tack Coat using 80/100	Sq.M	12.00	10105.25	121262.00	0.00	0.00	10105.25 / 121262.00
23)	Providing and laying dense Graded Bituminous Macadam using Crushed	CUM	7000.00	2909.76	20368320.00	0.00	0.00	2909.76 / 20368320.00

M. A. R. 57 (Rule 116) No. E 617339

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2		3	4	5	6	7	8
24)	Providing laying bituminous Concrete Coling crushed	CUM	8000.00	2397.31	19178480.00	0.00	0.00	2327.31 / 1862247.80.00
25)	Road marking with Hot applied thermoplastic	SQM	545.00	0.00	0.00	0.00	0.00	0.00 / 0.00.
27)	Providing and Constructing Grey Cement Concrete M 15 CC 1:5:10.	CUM	4600.00	350.07	1610419.00	0.00	0.00	350.07 / 1610419.00.

Scanned with CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
28)	Constructing unreinforced Plain Cement Concrete for Pavements	CUM	500.00	400.00	2000800.00	0.00	0.00	400.00	2000800.00
29)	Vacuum de-watering with Vacuum pump and Suction mat	SQM	72.02	2000.00	144040.00	0.00	0.00	2000.00	144040.00
EIRL4)	Geophysical Investigation at Site for Sinking Borewell for Supplying	Nos	3806.00	0.00	0.00	1.00	3806.00	1.00	3806.00
EIRL2)	Sinking borewell of 165mm dia clear oding Super	RMT	350.47	0.00	0.00	50.00	17524.00	50.00	17524.00

M. A. R. 57 (Rule 116) No. E 617300
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
EIRL3	50 to 100M.	RMT	446.42	0.00	50.00	22321.00	50.00	22391.00	
EIRL4	100 to 150MM	RMT	460.56	0.00	0.00	50.00	2302800	50.00	23028.00
EIRL5	150 to 200M	RMT	541.36	0.00	0.00	50.00	27068.00	50.00	27068.00
EIRL6	200 to 250M	RMT	640.34	0.00	0.00	50.00	32017.00	50.00	32017.00
EIRL7	250 to 300M	RMT	707.00	0.00	0.00	50.00	35350.00	50.00	35350.00
EIRL8	300 to 350M	RMT	833.25	0.00	0.00	50.00	41663.00	50.00	41663.00
EIRL9	350 to 400M.	RMT	909.00	0.00	0.00	50.00	45450.00	50.00	45450.00

Scanned with CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work		Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement	
1	2		3	4	5	6	7	8	
FIRL10	400 to 420M.	RMT	1140.79	6.00	0.00	20.00	22806.00	20.00	22806.00
FIRL11	Providing and Fixing 125MM dia PVC. (Casing Pipe)	RMT	2626.00	0.00	0.00	12.00	~~2626.00~~ 31512.00	~~315120~~ 12.00	31512.00.
FIRL12	Supply of IS1 Rock 145MM Nominal Bore	RMT	1338.25	0.00	0.00	65.00	86986.00	65.00	86986.00
FIRL13	Providing 145MM Dia M.S. Collar	No.	151.50	0.00	0.00	11.00	1667.00	11.00	1667.00
FIRL14	Providing 145MM diabore GP (RH)	No	101.00	0.00	0.00	1.00	101.00	1.00	101.00.

M. A. R. 57 (Rule 116) No. E
Measurement Book
617391

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement	
1	2	3	4	5	6	7	8	
FIRL15	Afadata Sugama. CRI KIRLOSKAR/and other Equivalent Pump	50454.55	0.00	0.00	1.00	50455.00	1.00	50455.00
FIRL16	Providing and Fixing 1/4 inch Angle Iron Rest Mild Steel.	414.39	0.00	0.00	390.00	162003.00	390.00	162003.00
FIRL17	Supplying and Drawing 3 Core flat PVC. Sheathed Submersible Pump.	127.97	1.00	0.00	786.00	100582.00	786.00	100582.00

Scanned with CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work		Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2		3	4	5	6	7	8
EIRL18	Providing and fixing in position 50MM Nominal bore.	No	1358.99	0.00	0.00	1.00	1359.00	1359.00
EIRL19	Supplying and fixing 50MM GI Union	No	225.94	0.00	0.00	1.00	226.00	226.00
EIRL20	Supplying and fixing 50MM GI Elbow	No.	112.92	0.00	0.00	1.00	113.00	113.00
EIRL 21	Supplying and fixing Stub 50MM GI Nipple	No.	105.24	0.00	0.00	1.00	105.00	105.00
EIRL 22	Supplying and fixing 50MM GI Hoop Collare	No	104.03	0.00	0.00	65.00	6762.00	6762.00

M. A. R. 57 (Rule 116) No. E 617392
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work		Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2		3	4	5	6	7	8
EIRL 23	Supplying and fixing 20"x20"x8.5" polished wood board.	No	305.02	0.00	0.00	1.00	305.00	305.00
EIRL 24.	Supplying and fixing Miniature Circuit breaker on 9x18 Mtg	No	1955.36	0.00	0.00	1.00	1955.00	1955.00
EIRL 25	Supplying of TPST with removable Protective channel in SM	No.	1818.00	0.00	0.00	1.00	1818.00	1818.00

Scanned with CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
EIRL 26	supplying and fixing LED type panel board	No	~~434.30~~ 434.00	0.00	0.00	1.00	434.00	1.00	434.00
EIRL 27	Supplying fully automatic star-delta starter with push button type	No	6464.00	0.00	0.00	1.00	6464.00	1.00	6464.00
EIRL 28	Supplying and fixing single phase preventer	No	752.45	0.00	0.00	1.00	752.00	1.00	752.00
EIRL 29	wiring for lighting power circuit using one	mtr	45.45	0.00	0.00	20.00	909.00	20.00	909.00

M. A. R. 57 (Rule 116) No. E 617393

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
EIRL30	Supplying fixing, wiring earth electrode for grading conduits	No	404.00	0.00	0.00	~~1~~ 1.00	~~404~~ 1616.00	~~1~~ 4.00	~~404~~ 1616.00
EIRL31	Supplying fixing, wiring earth electrode for grading conduits	No	3029.20	0.00	0.00	1.00	3030.00	1.00	3030.00
EIRL32	Digging of trench of 3.6 with depth 2.5 m wide	mtr	103.02	0.00	0.00	8.00	824.00	8.00	824.00

Scanned with CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work		Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement	
1	2		3	4	5	6	7	8	
AUL 33	Supplying laying 1.1KV Class LT UG Cable having aluminium conductor	RMT	151.50	0.00	0.00	10.00	1515.00	10.00	1515.00
EIRL24	Labour charge for laying 1.1 kv class UG Cable in existing	No	~~2.00~~ 11.92	0.00	0.00	25.00	298.00	25.00	298.00
EIRL35	Supplying and fixing Class-A (medium duty) GI-Pipe	RMT	338.35	0.00	0.00	2.00	677.00	2.00	677.00
EIRL 36	supplying and fixing LT Cast iron pot heads Suitable for 1.1kv	No	272.70	0.00	0.00	1.00	273.00	1.00	273.00

M. A. R. 57 (Rule 116) No. E 617394
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work		Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement	
1	2		3	4	5	6	7	8	
EIRL37	Supplying and fixing Bolt on fuse board with cut-out on the	No	229.27	0.00	0.00	~~3.00~~ 1	~~684.00~~ 229	~~3.00~~	~~684.00~~ 229
EIRL38	DIB Earthing of Cast Concrete pavement by Mechanical Means/Using	CUM	962.42	0.00	0.00	2025	19490.00	20.25	19490.00
EIRL39	Earthwork Excavation for foundation of buildings, water supply.	CUM	480.70	0.00	0.00	30.38	14601.00	30.38	14601.00

Scanned with CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work		Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement	
1	2		3	4	5	6	7	8	
EIRL40	Providing G.I. pipes (Galvanised) Class Medium with Chlorinated poly Vinyl Chloride (CPVC) pipes conforming to IS 15778 of the following diameter including cutting chases in walls and floors, making good the same, testing of joints etc complete.								
	25mm	mtr	462.50	0.00	0.00	225.00	104062.00	225.00	104062.00
EIRL41	Making Counter tap of GI distribution branch with GI main of 25mm	no	517.00	0.00	0.00	1.00	517.00	1.00	517.00
EIRL42	Providing and fixing Chorinated poly Vinyl Chloride (CPVC) pipe.	mtr	168.08	0.00	0.00	16.00	2689.00	16.00	2689.00.

Executive Engineer
Bangalore Metropolitan Water Supply & Sewerage Board
Bangalore - 560 052.

M. A. R. 57 (Rule 116) No. E 617395
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor or nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work		Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement	
1	2		3	4	5	6	7	8	
EIRL43	Providing and fixing to wall, ceiling and floor reducing quality	Mtr	138.11	0.00	0.00	135.00	18644.00	135.00	18644.00
~~EIRL44~~	~~Providing and fixing to wall, Ceiling, and floor reducer~~	Mtr							
EIRL44	Refilling available sand Earth Pipe lines, Cables Ruby by	Cum	129.54	0.00	0.00	21.26	2754.00	21.26	2754.00.

Scanned with CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work		Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement	
1	2		3	4	5	6	7	8	
EIRL45	Loading and unloading of Stone Cauton/Steel aggregate/Sand/Laterite	CUM	98.94	0.00	0.00	28.35 ~~29.38~~	2795 ~~2905.00~~	28.35 ~~29.38~~	2795 ~~2905.00~~
EIRL46	Providing and fixing in position brass gate Valve with C.I. Wheel	No's	1861.77	0.00	0.00	1.00	1862.00	1.00	1862.00
EIRL47	Providing and fixing in position brass stop cock of	h	150.95	0.00	0.00	1.00	151.00	1.00	151.00
EIRL48	Providing and laying in position plain cement Concrete	CUM	586.86	0.00	0.00	10.13	5935.00	10.13	5935.00

M. A. R. 57 (Rule 116) No. E 617396
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work		Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2		3	4	5	6	7	8
		Total amount				~~5000069.00~~ 4382283 ~~6000028~~	~~9582362~~ 952547 ~~1150028~~	
		GST 12%						
		Grand total				~~5600097.28~~	~~10732368~~	

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಧಿಕಾರಿ... ಯಾದವಾಡ ಉಪ ವಿಭಾಗ ಕೃಷ್ಣಾ ಭಾಗ್ಯನಾಳು ಪಾಟೀಲ್ Certificate

1) The above work has been Completed Satisfactorily.
2) The debris has been removed and disposal from the work spot
3) No. departmental issues are made to the Contractor

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಧಿಕಾರಿ... ಯಾದವಾಡ ಉಪ ವಿಭಾಗ

Scanned with CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
							₹ 95254795 -
						D.P.P (-)	90256507 -
							4998288 -
			Deductions				
			IT	49983	-		
			CGST	49983	-		(-) 248158
			SGST	49983	-		
			LR	43228	-	By cheque	4750130 -
			CBT	4998	-		
			WWC	49983	-		

Audited and admitted for Rs. 4998288 -
Passed by Cheque for Rs. 4750130 -
(Forty seven lakh fifty thousand one hundred and thirty only
by adjustment 248158 -

Accounts Superintendent
Rajaraj

Scanned with CamScanner